Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

     1.   (Currently Amended) An identification system comprising:

a modem communicating with a telephonic network;

a dialog processing device communicating with said telephonic network;

a controller communicating with said modem and said dialog processing device to identify a terminating connection at a subscriber's premises of said telephonic network; and

     software that programs the system to:

     receive a plurality of telephone numbers relating to terminating connections;

     use the modem to attempt to establish an analog modem connection to a terminating connection;

     classify the terminating connection as an analog modem if the modem successfully establishes a connection to the terminating connection at a negotiated maximum baud rate greater than about 1000 bits/sec;

     classify the terminating connection as a facsimile machine if the modem successfully establishes a connection to the terminating connection at a negotiated maximum baud rate less than about 1000 bits/sec;

     use the dialog processing device to monitor the terminating connection during operation of the modem;

     classify the terminating connection as an ISDN modem if the dialog processing device detects an ISDN modem at the terminating connection;

     classify the terminating connection as a voice connection if the dialog processing device detects a voice connection; and

record an entry relating to the classification in a database, wherein the entry includes the classification for the terminating connection as either an analog modem, a facsimile machine, an ISDN modem, or a voice connection.

2-10 (Cancelled)

11.   (Currently Amended) A method of classifying a terminating connection at a subscriber's premises, the method comprising the steps of:

receiving a plurality of telephone numbers relating to terminating connections;

attempting to establish an analog modem connection to the terminating connection using a modem;

classifying the terminating connection as an analog modem if the modem successfully establishes a connection to the terminating connection at a negotiated maximum baud rate greater than about 1000 bits/sec;

classifying the terminating connection as a facsimile machine if the modem successfully establishes a connection to the terminating connection at a negotiated maximum baud rate less than about 1000 bits/sec;

monitoring the terminating connection during operation of the modem using a dialog processing device;

classifying the terminating connection as an ISDN modem if the dialog processing device detects an ISDN modem at the terminating connection;

classifying the terminating connection as a voice connection if the dialog processing device detects a voice connection; and

recording an entry relating to the classification in a database, wherein the entry includes the classification for the terminating connection as either an analog modem, a facsimile machine, an ISDN modem, or a voice connection.

12-25 (Cancelled)